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OK

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

Department of Natural Resources

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas & Mining

JOHN R. BAZA
Division Director

Inspection Report

Representatives Present During the Inspection:
OGM Priscilla Burton Environmental Scientist III

Permit Number:	C0070022
Inspection Type:	TECHNICAL
Inspection Date:	Friday, July 21, 2006
Start Date/Time:	7/21/2006 9:30:00 AM
End Date/Time:	7/21/2006 12:00:00 PM
Last Inspection:	

Inspector: Priscilla Burton, Environmental Scientist III

Weather: sun 95 F

InspectionID Report Number: 1021

Accepted by: whedberg
8/7/2006

Permitee: **SAVAGE SERVICES CORP**
Operator: **SAVAGE SERVICES CORP**
Site: **SAVAGE COAL TERMINAL**
Address: **6340 S 3000 E STE 600, SALT LAKE CITY UT 84121**
County: **CARBON**
Permit Type: **PERMANENT COAL PROGRAM**
Permit Status: **ACTIVE**

Current Acreages

160.00	Total Permitted
122.28	Total Disturbed
	Phase I
	Phase II
	Phase III

Mineral Ownership

- ☐ Federal
- ☐ State
- ☐ County
- ☐ Fee
- ☑ Other

Types of Operations

- ☑ Underground
- ☑ Surface
- ☑ Loadout
- ☐ Processing
- ☐ Reprocessing

Report summary and status for pending enforcement actions, permit conditions, Division Orders, and amendments:

Looked at soil pits with Bruce Chessler, soil consultant from Escalante, Utah. Pits were located such that disturbed area soils are represented as well as lowland reference area soils. Three soil types were mapped. Pits demonstrate that a great depth of C-horizon and weathered soil may be available for salvage as substitute topsoil, depending upon chemistry. Photos were taken.

Inspector's Signature: Priscilla Burton **Date** Monday, July 31, 2006

Priscilla Burton, Environmental Scientist III
Inspector ID Number: 37

Note: This inspection report does not constitute an affidavit of compliance with the regulatory program of the Division of Oil, Gas and Mining.

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

REVIEW OF PERMIT, PERFORMANCE STANDARDS PERMIT CONDITION REQUIREMENTS

1. *Substantiate the elements on this inspection by checking the appropriate performance standard.*
   a. *For COMPLETE inspections provide narrative justification for any elements not fully inspected unless element is not appropriate to the site, in which case check Not Applicable.*
   b. *For PARTIAL inspections check only the elements evaluated.*
2. *Document any noncompliance situation by reference the NOV issued at the appropriate performance standard listed below.*
3. *Reference any narratives written in conjunction with this inspection at the appropriate performace standard listed below.*
4. *Provide a brief status report for all pending enforcement actions, permit conditions, Divison Orders, and amendments.*

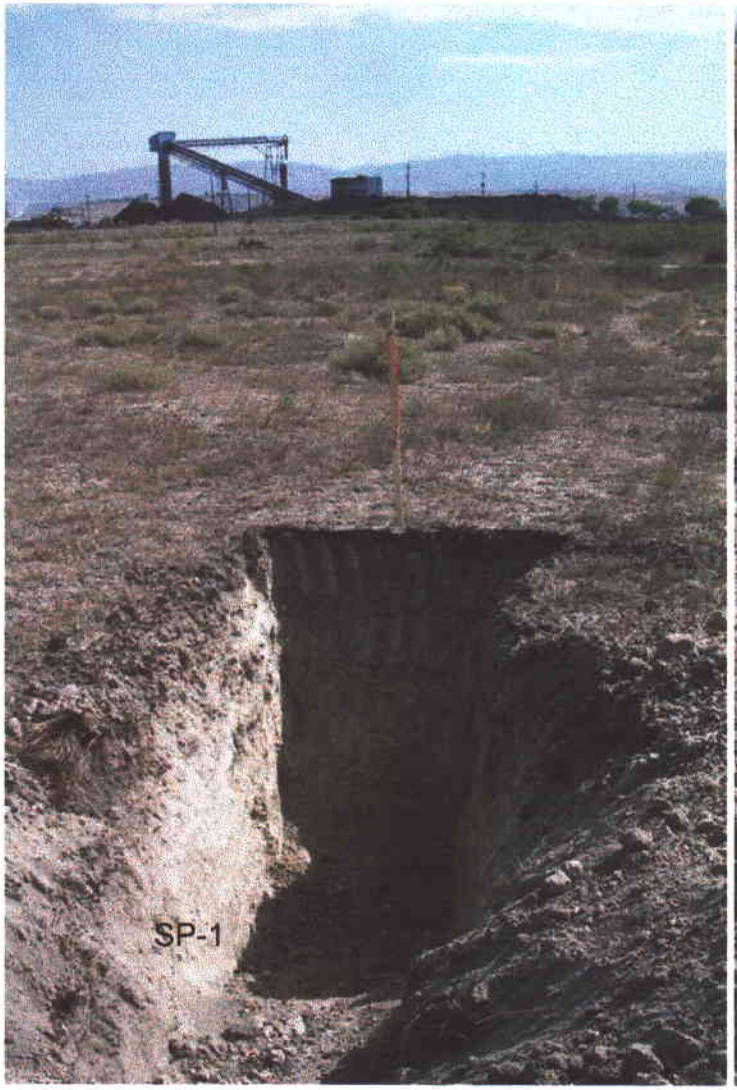
	Evaluated	Not Applicable	Comment	Enforcement
1. Permits, Change, Transfer, Renewal, Sale	☐	☐	☐	☐
2. Signs and Markers	☐	☐	☐	☐
3. Topsoil	☑	☐	☑	☐
4.a Hydrologic Balance: Diversions	☐	☐	☐	☐
4.b Hydrologic Balance: Sediment Ponds and Impoundments	☑	☐	☑	☐
4.c Hydrologic Balance: Other Sediment Control Measures	☐	☐	☐	☐
4.d Hydrologic Balance: Water Monitoring	☐	☐	☐	☐
4.e Hydrologic Balance: Effluent Limitations	☐	☐	☐	☐
5. Explosives	☐	☐	☐	☐
6. Disposal of Excess Spoil, Fills, Benches	☐	☐	☐	☐
7. Coal Mine Waste, Refuse Piles, Impoundments	☐	☐	☐	☐
8. Noncoal Waste	☐	☐	☐	☐
9. Protection of Fish, Wildlife and Related Environmental Issues	☐	☐	☐	☐
10. Slides and Other Damage	☐	☐	☐	☐
11. Contemporaneous Reclamation	☐	☐	☐	☐
12. Backfilling And Grading	☐	☐	☐	☐
13. Revegetation	☐	☐	☐	☐
14. Subsidence Control	☐	☐	☐	☐
15. Cessation of Operations	☐	☐	☐	☐
16.a Roads: Construction, Maintenance, Surfacing	☐	☐	☐	☐
16.b Roads: Drainage Controls	☐	☐	☐	☐
17. Other Transportation Facilities	☐	☐	☐	☐
18. Support Facilities, Utility Installations	☐	☐	☐	☐
19. AVS Check	☐	☐	☐	☐
20. Air Quality Permit	☐	☐	☐	☐
21. Bonding and Insurance	☐	☐	☐	☐
22. Other	☐	☐	☐	☐

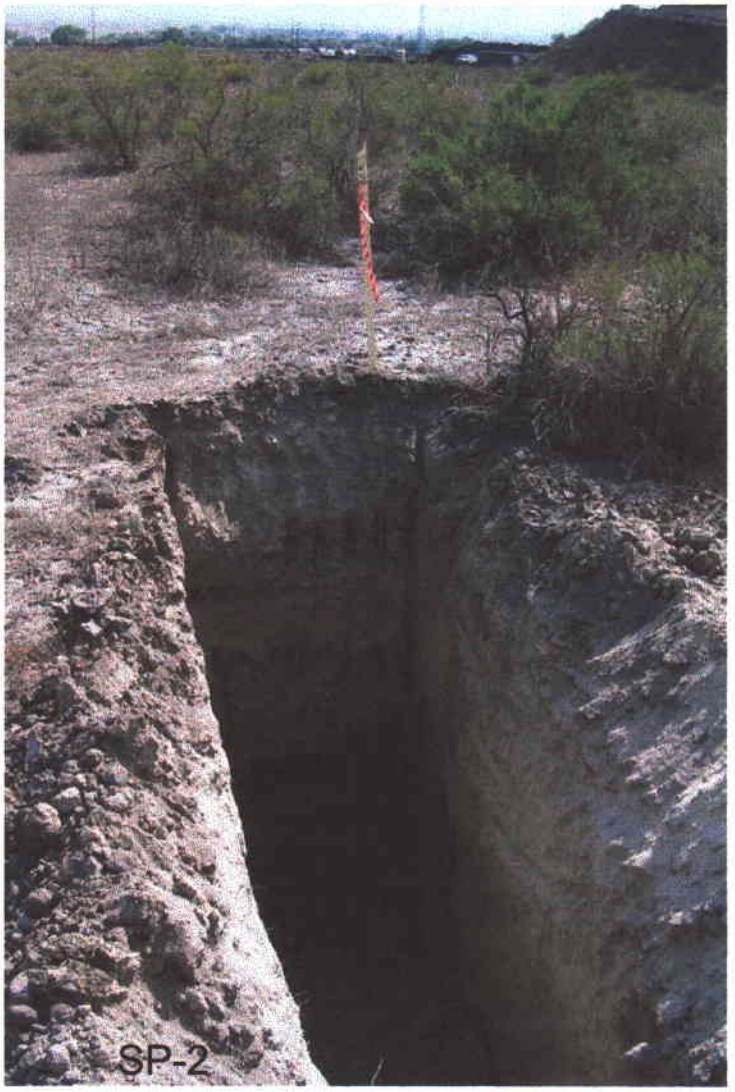
3. Topsoil

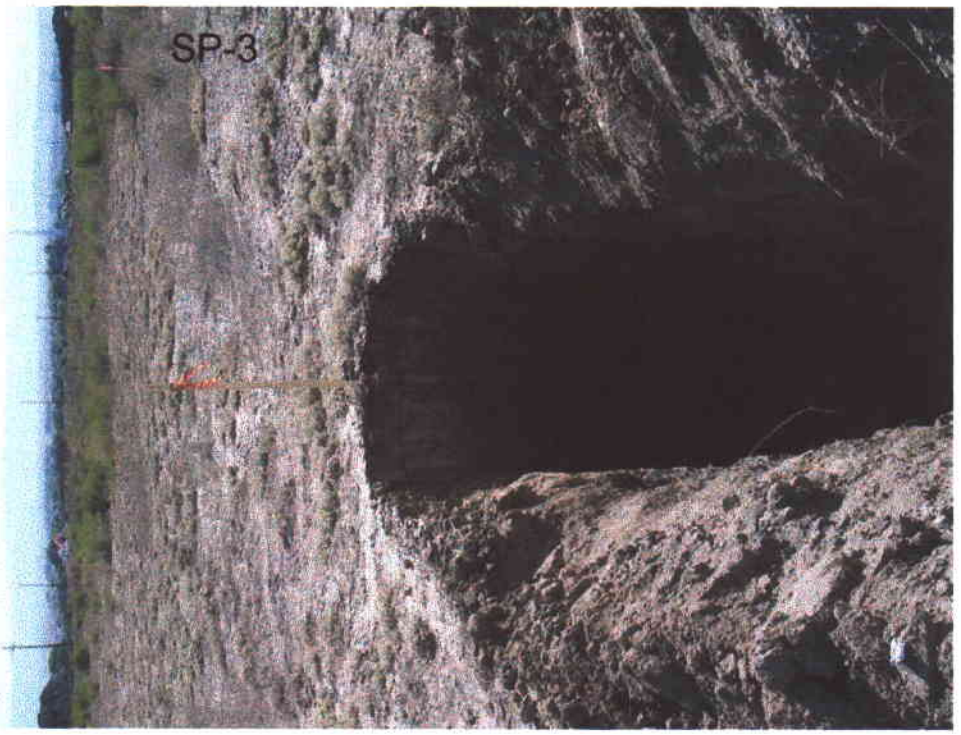
Construction of settling ponds on previously undisturbed area is under review as Task ID #2524. The Division requested Order 1 survey information for the undisturbed area. Mr. Bruce Chessler, Soil Scientist was on site conducting the Order 1 Survey. Three series and their corresponding pit numbers are Greybul (SP-1), Billings moist (SP-2), and Billings gypsum phase (SP-3). Photos were taken of the soil pits. SP-2 was dug to a depth of 8 ft. for the purpose of gathering soil geotechnical information as well as profile information. It is apparent from these soil pits that 1) gypsum (NaSO4) is present in the SP3 profile and soils may be unsuitable for salvage, depending upon concentration. 2) Based upon soil testing the C horizons and perhaps even weathered bedrock may be suitable for salvage as substitute topsoil from areas represented by SP1 and SP2. The Billings gypsum phase (pit SP-3) represents the vegetative reference area. Photos taken during the site visit were copied and sent to Mr. Chessler along with the MRP copy of Dan Larsen's Order 1 Survey done for the 13-acre stockpile expansion in 2002.

4.b Hydrologic Balance: Sediment Ponds and Impoundments

The settling ponds are designed as unlined ponds dug into Mancos Shale. On July 31, 2006, in a conversation with Dan Guy, a perc test was recommended to verify the drainage condition of the soil and support an unlined pond.


SP-1


SP-2


SP-3